

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER P10008 US
INTERNATIONAL APPLICATION NO. PCT/KR2004/000045		U.S. APPLICATION NO. (if known, see 37 CFR 1.5) not 10/566603
INTERNATIONAL FILING DATE 01/13/2004		PRIORITY DATE CLAIMED 08/05/2003
TITLE OF INVENTION Method for Preparation of Uniformly Oriented Zeolite Supercrystals Using...		
APPLICANT(S) FOR DO/EO/US Jin-seok LEE et al.		

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☒ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☒ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☒ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A preliminary amendment.
14. ☒ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☒ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.
18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) not yet 2550002		INTERNATIONAL APPLICATION NO. PCT/KR2004/000045		ATTORNEY'S DOCKET NUMBER P10008US	
20. Other items or information: Form PTO-1449, Copy of DE 4240821 (with partial English translation), Copy of US Patent Application Publication 2002/0034830, Small Entity Statement, Cover Letter					
The following fees have been submitted				CALCULATIONS PTO USE ONLY	
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300				\$ 300	
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))					
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0				\$ 200	
All other situations..... \$200					
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))					
If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0					
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100				\$ 400	
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400					
All other situations..... \$500					
TOTAL OF 21, 22 and 23 =				\$ 900.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		x \$250	\$	
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	18 - 20 =	(0)	x \$ 50	\$	
Independent claims	4 - 3 =	1	x \$ 200	\$ 200	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360	\$
TOTAL OF ABOVE CALCULATIONS =				\$ 1100.00	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					
SUBTOTAL =				\$ 550.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				+	\$
TOTAL NATIONAL FEE =				\$ 550.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+	\$
TOTAL FEES ENCLOSED =				\$ 590.00	
				Amount to be refunded:	\$
				Amount to be charged	\$

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IAP9 Rec'd PCT/PTO 31 JAN 2006

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

- a. ☒ A check in the amount of \$ 590.00 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 503733. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Customer Number 58986

(The Rafferty Patent Law Firm
5307 RYMNEY LN
BURKE, VA 22015)

SIGNATURE

RYAN RAFFERTY

NAME

55,556

REGISTRATION NUMBER

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jin-Seok LEE *et al.* I Group Art Unit: **Assignment Division**

Serial No.: (Not Yet Assigned; US National Phase of PCT/KR2004/000045)

Filed: January 31, 2006

For: METHOD FOR PREPARATION OF UNIFORMLY ORIENTED ZEOLITE
SUPERCRYSTALS USING UNIFORMLY ALIGNED TEMPLATE

REQUEST FOR NOTICE OF RECORDATION

Mail Stop Assignment Recordation Services
Director — US Patent & Trademark Office
PO Box 1450
Alexandria, VA 22313-1450

Sir:


Applicant respectfully requests that the US Patent and Trademark Office issue a Notice of Recordation for the above-identified National Phase Application.

An Executed Assignment for the above-identified application is being filed concurrently with the US Patent and Trademark Office. For the convenience of the Office, a copy of the Executed Assignment and a copy of the Recordation Cover Sheet are submitted herewith.

Should there be any questions, the Examiner is respectfully invited to contact the undersigned at the below-listed telephone number.

Respectfully submitted,
Jin-Seok LEE *et al.*

Date: January 30, 2006

By: 
Ryan Rafferty
Registration No. 55,556

The Rafferty Patent Law Firm

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Burke, VA 22015-1731

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Jin-Seok LEE *et al.*
Appl. No: : Not Yet Assigned
(US National Phase of PCT/KR2004/000045)
Filed : Concurrently Herewith
For : METHOD FOR PREPARATION OF UNIFORMLY ORIENTED
ZEOLITE SUPERCRYSTALS USING UNIFORMLY ALIGNED
TEMPLATE

STATEMENT OF STATUS AS SMALL ENTITY

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 CFR § 1.27, Applicant in the above-identified application hereby requests status as a small entity for purposes of paying fees.

Respectfully submitted,
Jin-Seok LEE *et al.*



Ryan Rafferty

Reg. No. 55,556

January 30, 2006

The Rafferty Patent Law Firm
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Attorney Docket: P10008US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Jin-Seok LEE *et al.*
Appl. No: : Not Yet Assigned
(US National Phase of PCT/KR2004/000045)
Filed : Concurrently Herewith
For : METHOD FOR PREPARATION OF UNIFORMLY ORIENTED
ZEOLITE SUPERCRYSTALS USING UNIFORMLY ALIGNED
TEMPLATE

**COVER LETTER ACCOMPANYING US NATIONAL STAGE PATENT
APPLICATION FILED UNDER 35 USC § 371 AND 37 CFR § 1.495**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a new National Phase patent application for filing with the U.S. Patent and Trademark Office under 35 § U.S.C. 371 and 37 § C.F.R. 1.495. Accordingly, the U.S. Patent and Trademark Office is respectfully requested to examine this application for issue as a U.S. Patent. A properly executed Declaration and Power of Attorney, and an English language translation of the International Application, as filed, are being submitted herewith. Furthermore, both the Korean base application 10-2003-0054157 filed August 5, 2003 with the Korean Patent Office, and International Application PCT/KR2004/000045, are hereby incorporated into the present National Phase Application by reference in their entireties, including all written material and drawings corresponding thereto;

P10008.A03

and priority is claimed thereto.

Related to the above, this application should be associated with **Customer**
Number 58986, which includes the present correspondence address as follows:

The Rafferty Patent Law Firm
5307 RYMNEY LN
BURKE, VA 22015.

If there should be any questions pertaining to this National Phase Application, the Office is respectfully requested to contact Applicant's representatives at the telephone number set forth below.

Respectfully submitted,
Jin-Seok LEE *et al.*



Ryan Rafferty
Reg. No. 55,556

January 30, 2006

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